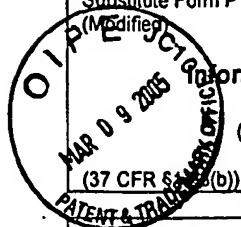




Information Disclosure Citation in an Application		Application No. 10/715,300		Applicant(s) Steven R. Pauley				
		Docket Number 067083.0215	Group Art Unit	Filing Date November 17, 2003				
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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
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	B	4,333,539	06/08/1992	Lyons et al.	175	61	12/31/1979	
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	F	6,179,054	01/30/2001	Stewart	166	105.5	07/31/1998	
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANSLATION	
							YES	NO
	H	SU-1448078-A1	03/25/1987	Russia	E21F	5/00-F 7/00	X	
	I	SU-1770570-A1	03/30/1990	Russia	E21F	7/00	X	
	J	SU-750108	06/26/1975	Russia	E21C	45/00	X	
	K	WO 98/35133	08/13/1998	PCT	E21C	27/24	X	
	L	WO 01/44620	06/21/2001	PCT	E21B	43/38	X	
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	N	CA 2 278 735	01/13/1998	Canada	E21C	21/24	X	
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NON-PATENT DOCUMENTS								
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE	
	P	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 9, 2004 (6 pages) re International Application No. PCT/US 03/28138.					09/09/2003	
	Q	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 27, 2004 (9 pages) re International Application No. PCT/US 03/30126.					09/23/2003	
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<i>Handwritten: T</i>	T	Translation of selected pages of Arens, V.Zh., "Well-Drilling Recovery of Minerals," Geotechnology, Nedra Publishers, Moscow, 7 pages, 1986					1986	
EXAMINER <i>Handwritten: J. Allen Bon</i>				DATE CONSIDERED <i>Handwritten: 9/29/05</i>				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.								

U.S. Patent and Trademark Office

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-039001	Application No. 10/715,300
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.902(b))		Applicant Steven R. Pauley	
		Filing Date November 17, 2003	Group Art Unit 3672

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>JPB</i>	A1						
	A2						
	A3						
	A4						
	A5						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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	B2							
	B3							
	B4							
	B5							


Other Documents (include Author, Title, Date, and Place of Publication)

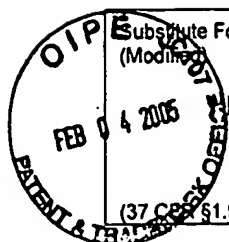
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(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
17601-039001Application No.
10/715,300**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR § 1.98(b))

Applicant
Steven R. PauleyFiling Date
November 17, 2003Group Art Unit
3672**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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							Yes	No
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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
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Examiner Signature

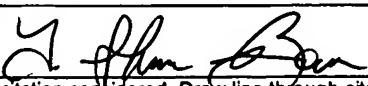
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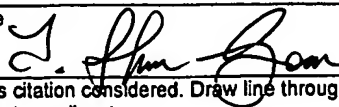
Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-039001	Application No. 10/715,300
	Applicant Steven R. Pauley		
	Filing Date November 17, 2003	Group Art Unit 3672	

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-039001	Application No. 10/715,300
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Steven R. Pauley	
		Filing Date November 17, 2003	Group Art Unit 3672

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U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
17601-039001Application No.
10/715,300Information Disclosure Statement
by Applicant

Use several sheets if necessary)

Applicant
Steven R. PauleyFiling Date
November 17, 2003Group Art Unit
3672

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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	Applicant Steven R. Pauley		
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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>YFB</i>	A28	2004/0020655 A1	02/05/2004	Rusby et al.			

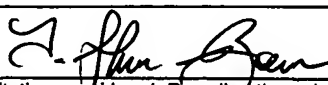
Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>YFB</i>	B1	WO 97/21900	06/19/1997	WIPO			N/A	
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Examiner Signature <i>Y. Alan Bar</i>	Date Considered <i>9/29/05</i>
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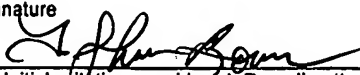
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Steven R. Pauley	
		Filing Date November 17, 2003	Group Art Unit 3672

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	C30	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2005/005289 mailed April 29, 2005
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Examiner Signature <i>J. Steven Pauley</i>	Date Considered <i>9/29/05</i>
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Steven R. Pauley	
		Filing Date November 17, 2003	Group Art Unit 3672


Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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ZLB	C37	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (6 pages) mailed March 13, 2003 for International Application No. PC/US02/33128
ZLB	C38	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (3 pages mailed April 22, 2004 and Written Opinion mailed September 4, 2003 for International Application No. PCT/US02/33128

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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Steven R. Pauley	
		Filing Date November 17, 2003	Group Art Unit 3672

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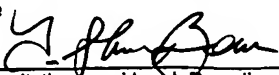
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							Yes	No
YLB	B1	AU 85/49964A	11/20/1986	Australia			Abstract Only	
Examiner Signature <i>YLB Ben</i>				Date Considered 9/29/05				
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	Applicant Steven R. Pauley			
	Filing Date November 17, 2003		Group Art Unit 3672	

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
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1449

Application No.
10/715,300Applicant(s)
Steven R. PauleyInformation Disclosure Citation
in an ApplicationDocket Number
067083.0215

Group Art Unit

Filing Date
November 17, 2003

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EXAMINER

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U.S. Patent and Trademark Office

PTO-1449		Application No. 10/715,300		Applicant(s) Steven R. Pauley	
Information Disclosure Citation in an Application		Docket Number 067083.0215		Group Art Unit	
				Filing Date November 17, 2003	

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L.	3,828,867	08/13/1974	Elwood	175	45	05/15/1972
M.	3,874,413	04/01/1975	Valdez	137	625.47	04/01/1975
N.	3,887,008	06/03/1975	Canfield	166	267	03/21/1974
O.	3,902,322	09/02/1975	Watanabe	61	35	08/27/1973
P.	3,907,045	09/23/1975	Dahl et al.	175	45	11/30/1976
Q.	3,934,649	01/27/1976	Pasini, III et al.	166	254	07/25/1974
R.	3,957,082	05/18/1976	Fuson et al.	137	625.41	09/26/1974
S.	3,961,824	06/08/1976	Van Eek et al.	299	17	10/21/1974
T.	4,011,890	03/15/1977	Andersson	137	625.4	11/04/1975
U.	4,022,279	05/10/1977	Driver	166	271	12/23/1974
V.	4,037,658	07/26/1977	Anderson	166	272	10/30/1975
W.	4,073,351	02/14/1978	Baum	175	14	06/10/1976
X.	4,089,374	05/16/1978	Terry	166	259	12/16/1976
Y.	4,116,012	09/26/1978	Abe et al.	405	238	07/14/1977
Z.	4,134,463	01/16/1979	Allen	175	53	06/22/1977
AA.	4,156,437	05/29/1979	Chivens et al.	137	554	02/21/1978
BB.	4,169,510	10/02/1979	Meigs	175	65	08/16/1977

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 9/29/05
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO-1449

Application No.
10/715,300Applicant(s)
Steven R. PauleyInformation Disclosure Citation
in an ApplicationDocket Number
067083.0215

Group Art Unit

Filing Date
November 17, 2003

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A.	4,189,184	02/19/1980	Green	299	8	10/13/1978
B.	4,220,203	09/02/1980	Steeman	166	271	12/06/1978
C.	4,221,433	09/09/1980	Jacoby	299	4	07/20/1978
D.	4,224,989	09/30/1980	Blount	166	250	10/30/1978
E.	4,257,650	03/24/1981	Allen	299	2	09/07/1978
F.	4,278,137	07/14/1981	Van Eek, deceased	175	267	06/18/1979
G.	4,283,088	08/11/1981	Tabakov et al.	299	2	05/14/1979
H.	4,296,785	10/27/1981	Vitello et al.	141	105	07/09/1979
I.	4,299,295	11/10/1981	Gossard	175	45	02/08/1980
J.	4,303,127	12/01/1981	Freel et al.	166	266	02/11/1980
K.	4,305,464	12/15/1981	Masszi	166	370	03/07/1980
L.	4,312,377	01/26/1982	Knecht	137	625.19	08/29/1979
M.	4,317,492	03/02/1982	Summers et al.	175	79	02/26/1980
N.	4,328,577	05/04/1982	Abbott et al.	370	84	06/03/1980
O.	4,366,988	01/04/1983	Bodine	299	14	04/07/1980
P.	4,372,398	02/08/1983	Kuckes	175	45	11/04/1980
Q.	4,386,665	06/07/1983	Dellinger	175	61	10/27/1981
R.	4,390,067	06/28/1983	Willman	166	245	04/06/1981
S.	4,396,076	08/02/1983	Inoue	175	265	04/27/1981
T.	4,397,360	08/09/1983	Schmidt	175	61	07/06/1981
U.	4,401,171	08/30/1983	Fuchs	175	267	12/10/1981
V.	4,407,376	10/04/1983	Inoue	175	267	06/26/1981
W.	4,437,706	03/20/1984	Johnson	299	7	08/30/1981
X.	4,442,896	04/17/1984	Reale et al.	166	278	07/21/1982
Y.	4,494,616	01/22/1985	McKee	175	67	07/18/1983
Z.	4,512,422	04/23/1985	Knisley	175	99	06/28/1983
AA.	4,519,463	05/28/1985	Schuh	175	61	03/19/1984
BB.	4,527,639	07/09/1985	Dickinson, III et al.	175	61	03/02/1983
CC.	4,532,986	08/06/1985	Mims et al.	166	50	05/05/1983

EXAMINER

DATE CONSIDERED

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PTO-1449	Application No. 10/715,300	Applicant(s) Steven R. Pauley	
Information Disclosure Citation in an Application	Docket Number 067083.0215	Group Art Unit	Filing Date November 17, 2003

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,544,037	10/01/1985	Terry	166	369	02/21/1984
B.	4,558,744	12/17/1985	Gibb	166	335	09/13/1983
C.	4,565,252	01/21/1986	Campbell et al.	175	269	03/08/1984
D.	4,573,541	03/04/1986	Josse et al.	175	78	08/09/1984
E.	4,599,172	07/08/1986	Gardes	210	314	12/24/1984
F.	4,600,061	07/15/1986	Richards	175	62	06/08/1984
G.	4,605,076	08/12/1986	Goodhart	175	61	08/03/1984
H.	4,611,855	09/16/1986	Richards	299	2	05/11/1984
I.	4,618,009	10/21/1986	Carter et al.	175	267	08/08/1984
J.	4,638,949	01/27/1987	Mancel	239	307	04/26/1984
K.	4,646,836	03/03/1987	Goodhart	166	303	12/20/1984
L.	4,674,579	06/23/1987	Geller et al.	175	45	03/07/1985
M.	4,702,314	10/27/1987	Huang et al.	166	245	03/03/1986
N.	4,705,431	11/10/1987	Gadelle et al.	405	267	12/20/1984
O.	4,715,440	12/29/1987	Boxell et al.	166	100	07/14/1986
P.	4,754,819	07/05/1988	Dellinger	175	61	03/11/1987
Q.	4,756,367	07/12/1988	Puri et al.	166	263	04/28/1987
R.	4,763,734	08/16/1988	Dickinson et al.	175	61	12/23/1985
S.	4,773,488	09/27/1988	Bell et al.	175	61	08/08/1984
T.	4,830,105	05/16/1989	Petermann	166	241	02/08/1988
U.	4,836,611	06/06/1989	El-Saie	299	7	05/09/1988
V.	4,842,081	06/27/1989	Parant	175	23	05/18/1988
W.	4,844,182	07/04/1989	Tolle	175	215	06/07/1988
X.	4,852,666	08/01/1989	Brunet et al.	175	61	04/07/1988
Y.	4,883,122	11/28/1989	Puri et al.	166	248	08/22/1990
Z.	4,978,172	12/18/1990	Schwoebel et al.	299	12	10/26/1989
AA.	5,016,710	05/21/1991	Renard et al.	166	245	06/26/1987

EXAMINER

DATE CONSIDERED

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Information Disclosure Citation in an Application		Docket Number 067083.0215	Group Art Unit	Filing Date November 17, 2003

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U.S. PATENT DOCUMENTS


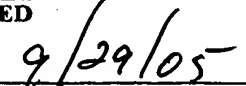
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A.	5,035,605	07/30/1991	Dinerman et al.	481	018	02/16/1990
B.	5,036,921	08/06/1991	Pittard et al.	166	298	06/28/1990
C.	5,074,360	12/24/1991	Guinn	166	281	07/10/1990
D.	5,074,365	12/24/1991	Kuckes	175	40	09/14/1990
E.	5,074,366	12/24/1991	Karlsson et al.	175	76	12/24/1991
F.	5,082,054	01/21/1992	Kiamanesh	166	248	08/22/1990
G.	5,111,893	05/12/1992	Kvello-Aune	175	258	12/24/1990
H.	5,135,058	08/04/1992	Millgard et al.	175	71	04/26/1990
I.	5,148,875	09/22/1992	Karlsson et al.	175	62	09/24/1991
J.	5,165,491	11/24/1992	Wilson	175	62	04/29/1991
K.	5,168,942	12/08/1992	Wydrinski	175	50	10/21/1991
L.	5,174,374	12/29/1992	Hailey	166	55.8	10/17/1991
M.	5,193,620	03/16/1993	Braddick	166	382	08/05/1991
N.	5,194,859	03/16/1993	Warren	340	853.4	02/08/1991
O.	5,197,553	03/30/1993	Leturno	175	57	08/14/1991
P.	5,197,783	03/30/1993	Theimer et al.	299	17	04/29/1991
Q.	5,199,496	04/06/1993	Redus et al.	166	366	10/18/1991
R.	5,201,817	04/13/1993	Hailey	175	269	12/27/1991
S.	5,217,076	06/08/1993	Masek	166	303	09/27/1991
T.	5,240,350	08/31/1993	Yamaguchi et al.	405	143	11/07/1991
U.	5,242,017	09/07/1993	Hailey	166	55.8	12/27/1991
V.	5,242,025	09/07/1993	Neill et al.	175	26	06/30/1992
W.	5,246,273	09/21/1993	Rosar	299	4	05/13/1991
X.	5,255,741	10/26/1993	Alexander	166	278	12/11/1991
Y.	5,271,472	12/21/1993	Leturno	175	107	10/14/1992
Z.	5,301,760	04/12/1994	Graham	175	61	09/10/1992
AA.	5,363,927	11/15/1994	Frank	175	67	09/27/1993

EXAMINER

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U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,385,205	01/31/1995	Hailey	166	55.8	10/04/1993
B.	5,394,950	03/07/1995	Gardes	175	45	05/21/1993
C.	5,402,851	04/04/1995	Baiton	166	369	05/03/1993
D.	5,411,082	05/02/1995	Kennedy	166	181	01/26/1994
E.	5,411,085	05/02/1995	Moore et al.	166	242	11/01/1993
F.	5,411,104	05/02/1995	Stanley	175	65	02/16/1994
G.	5,411,105	05/02/1995	Gray	175	69	06/14/1994
H.	5,431,220	07/11/1995	Lennon et al.	166	55.7	03/24/1994
I.	5,435,400	07/25/1995	Smith	175	61	05/25/1994
J.	5,447,416	09/05/1995	Wittrisch	417	442	03/28/1994
K.	5,450,902	09/19/1995	Matthews	166	268	05/14/1993
L.	5,454,419	10/03/1995	Vloedman	166	277	09/19/1994
M.	5,458,209	10/17/1995	Hayes et al.	175	61	06/11/1993
N.	5,462,116	10/31/1995	Carroll	166	249	10/26/1994
O.	5,462,120	10/31/1995	Gondouin	166	380	01/04/1993
P.	5,469,155	11/21/1995	Archambeault et al.	340	853.4	07/11/1994
Q.	5,477,923	12/26/1995	Jordan, Jr. et al.	66	313	01/26/1994
R.	5,485,089	01/16/1996	Kuckes	324	346	10/08/1993
S.	5,494,121	02/27/1996	Nackerud	175	263	11/29/1994
T.	5,499,687	03/19/1996	Lee	175	317	11/18/1991
U.	5,501,273	03/26/1996	Puri	166	252.5	10/04/1994
V.	5,501,279	03/26/1996	Garg et al.	166	372	01/12/1995
W.	5,584,605	12/17/1996	Beard et al.	405	128	06/29/1995
X.	5,613,242	03/18/1997	Oddo	588	17	12/06/1994
Y.	5,615,739	04/01/1997	Dallas	166	306	04/30/1996
Z.	5,669,444	09/23/1997	Riese et al.	166	263	01/31/1996
AA.	5,680,901	10/28/1997	Gardes	166	313	12/14/1995
BB.	5,690,390	11/25/1997	Bithell	299	4	04/19/1996
CC.	5,706,871	01/13/1998	Anderson et al.	141	59	08/15/1995
EXAMINER			DATE CONSIDERED			
J. Shum			9/29/05			
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U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,720,356	02/24/1998	Gardes	175	62	02/01/1996
B	5,727,629	03/17/1998	Blizzard, Jr. et al.	166	298	01/24/1996
C	5,735,350	04/07/1998	Longbottom et al.	166	313	10/15/1996
D	5,771,976	06/30/1998	Talley	166	370	07/19/1996
E	5,785,133	07/28/1998	Murray et al.	175	61	08/29/1995
F	5,832,958	11/10/1998	Cheng	137	625.41	09/04/1997
G	5,853,054	12/29/1998	McGarian et al.	175	267	07/22/1997
H	5,853,056	12/29/1998	Landers	175	424	04/01/1996
I	5,853,224	12/19/1998	Riese	299	13	01/21/1997
J	5,863,283	01/26/1999	Gardes	588	250	02/10/1997
K	5,868,202	02/09/1999	Hsu	166	256	09/22/1997
L	5,868,210	02/09/1999	Johnson et al.	175	40	05/01/1996
M	5,879,057	03/09/1999	Schwoebel et al.	299	17	11/12/1996
N	5,884,704	03/23/1999	Longbottom et al.	16	313	08/20/1997
O	5,917,325	06/29/1999	Smith	324	326	08/25/1997
P	5,934,390	08/10/1999	Uthe	175	67	12/23/1997
Q	5,938,004	08/17/1999	Roberts et al.	198	812	02/14/1997
R	5,941,308	08/24/1999	Malone et al.	166	313	12/18/1996
S	5,957,539	09/28/1999	Durup et al.	299	4	07/17/1997
T	5,971,074	10/26/1999	Longbottom et al.	166	313	07/01/1998
U	6,012,520	01/11/2000	Yu et al.	166	245	01/04/1999
V	6,015,012	01/18/2000	Reddick	166	313	08/29/1997
W	6,024,171	02/15/2000	Montgomery et al.	166	308	03/12/1998
X	6,050,335	04/18/2000	Parsons	166	272.3	10/26/1998
Y	6,056,059	05/02/2000	Ohmer	166	313	07/24/1997
Z	6,065,550	05/23/2000	Gardes	175	62	02/19/1998
AA	6,119,771	09/19/2000	Gano et al.	166	50	01/27/1998
BB	6,135,208	10/24/2000	Gano et al.	166	313	05/28/1998
CC	6,209,636	04/03/2001	Roberts et al.	166	117.6	03/07/1999
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U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6,280,000	08/28/2001	Zupanick	299	12	11/20/1998
B.	6,349,769	02/26/2002	Ohmer	166	313	03/03/2000
C.	6,357,523	03/19/2002	Zupanick	166	52	11/19/1999
D.	6,425,448	07/30/2002	Zupanick et al.	175	61	01/30/2001
E.	6,439,320	08/27/2002	Zupanick	166	313	03/03/2000
F.	6,450,256	09/17/2002	Mones	166	250.01	06/06/2001
G.	6,454,000	09/24/2002	Zupanick	166	243	10/24/2000
H.	6,457,540	10/01/2002	Gardes	175	62	01/29/2001
I.	6,478,085	11/12/2002	Zupanick	166	50	02/20/2001
J.	6,497,556	12/24/2002	Zupanick	417	85	04/24/2001
K.	6,561,288	05/13/2003	Zupanick	175	69	06/20/2001
L.	6,566,649	05/20/2003	Mickael	250	269.3	05/26/2000
M.	6,571,888	06/03/2003	Comeau	175	61	05/14/2001
N.	6,575,235	06/10/2003	Zupanick	166	50	09/15/2002
O.	6,577,129	06/10/2003	Thompson	324	338	01/19/2002
P.	6,585,061	07/01/2003	Radzinski	175	45	10/15/2001
Q.	6,590,202	07/08/2003	Mickael	250	269.4	05/08/2001
R.	6,591,903	07/15/2003	Ingle	166	50	12/06/2001
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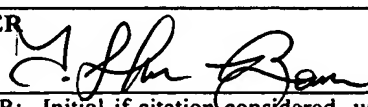
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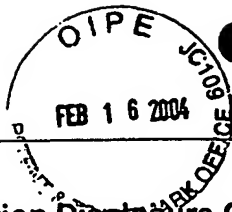
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NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>9/29/05</i>

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				Filing Date November 17, 2003			
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		6,598,686	07/29/2003	Zupanick	175	62	01/24/2001
	B.	6,604,580	08/12/2003	Zupanick	166	245	04/15/2002
	C.	6,604,910	08/12/2003	Zupanick	417	36	04/24/2001
	D.	6,607,042	08/19/2003	Hoyer et al.	175	38	05/17/2001
	E.	6,636,159	10/21/2003	Winnacker	340	854.3	06/25/2000
	F.	6,639,210	10/28/2003	Odom et al.	250	269.6	03/14/2001
	G.	6,646,411	11/11/2003	Thompson et al.	324	338	01/19/2002
	H.	6,653,839	11/25/2003	Yuratich et al.	324	355	12/28/2001
	I.	6,662,870	12/16/2003	Zupanick	166	245	01/03/2001
	J.	6,668,918	12/30/2003	Zupanick	166	50	06/07/2002
	K.	6,679,322	01/20/2004	Zupanick	166	50	09/26/2002
	L.	6,681,855	01/27/2004	Zupanick	166	50	10/19/2001
	M.	6,688,388	02/10/2004	Zupanick	166	50	06/07/2002
	N.						
	O.						
	P.						
	Q.						
	R.						
	S.						
	T.						
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	V.						
FOREIGN PATENT DOCUMENTS							
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	Docket Number 067083.0215	Group Art Unit	Filing Date November 17, 2003

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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	B.	2002/0074122	06/20/2002	Kelly et al.	166	313	05/16/2001
	C.	2002/0050358	05/02/2002	Algeroy	166	313	09/27/2001
	D.	2003/0075334	04/24/2003	Haugen et al.	166	313	09/16/2002
	E.	2003/0062198	04/03/2003	Gardes	175	61	09/30/2002
	F.	2003/0106686	06/12/2003	Ingle et al.	166	245	12/06/2001
	G.	2003/0066686	04/10/2003	Conn	175	57	10/04/2002
	H.	2001/0096336	11/01/2001	Zupanick	175	161	02/20/2001
	I.	2002/0189801	12/19/2002	Zupanick	166	50	07/01/2002
	J.	2002/0108746	08/15/2002	Zupanick	166	50	04/15/2002
	K.	2002/0117297	08/29/2002	Zupanick	166	50	04/15/2002
	L.	2004/0007389	01/15/2004	Zupanick	175	61	07/12/2002
845	M.	2004/0007390	01/15/2004	Zupanick	175	61	07/12/2002
	N.						
	O.						
	P.						
	Q.						
	R.						
	S.						
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	U.						
	V.						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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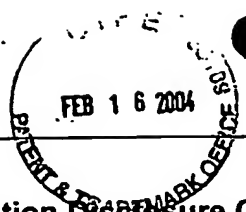
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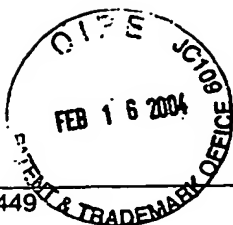
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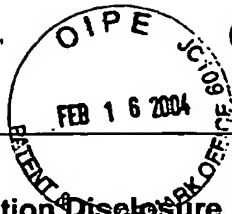
PTO-1449		Application No. 10/715,300		Applicant(s) Steven R. Pauley				
Information Disclosure Citation in an Application		Docket Number 067083.0215		Group Art Unit	Filing Date November 17, 2003			
U.S. PATENT DOCUMENTS								
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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
44	A.	94/21889	09/29/1994	WO	E21B	43/24	X	
60	B.	0 875 661 A1	11/04/1998	EP	E21B	43/30	X	
	C.	0 952 300 A1	10/27/1999	EP	E21B	7/12	X	
	D.	00/31376	06/02/0000	WO	E21C	41/00	X	
	E.	WO 99/60248	11/25/1999	PCT	E21B	43/30	X	
	F.	WO 00/79099	12/28/2000	PCT	E21B	43/25	X	
	G.	WO 02/059455	08/01/2002	PCT	E21B	43/00	X	
	H.	WO 02/18738	03/07/2002	PCT	E21B	07/04	X	
	I.	GB 2297 988	08/21/1996	UK	E21B	07/08	X	
	J.	GB 2347157	08/30/02	UK	E21B	43/00	X	
	K.	WO 03/102348	12/11/2003	PCT	E21B		X	
	L.	WO 03/061238	08/08/2002	PCT	E21B	43/00	X	
	M.	SU-1448078-A1	03/25/1987	Russia	E21	F 5/00-F 7/00		X
	N.	SU-1770570-A1	03/30/1990	Russia	E21	F 7/00		X
45	O.	SU-750108	06/26/1975	Russia	E21	C 45/00		X
NON-PATENT DOCUMENTS								
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE	
46	P.	Examiner of Record, Office Action Response regarding the Interpretation of the three Russian Patent Applications listed above under Foreign Patent Documents (9 pages)					Date Unknown	
	Q.							
	R.							
	S.							
	T.							
EXAMINER				DATE CONSIDERED				
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	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE
<input checked="" type="checkbox"/>	A.	McCray and Cole, "Oil Well Drilling and Technology," University of Oklahoma Press, pp 315-319.			1959
<input checked="" type="checkbox"/>	B.	Berger and Anderson, "Modern Petroleum," Penn Well Books, pp. 106-108.			1978
<input checked="" type="checkbox"/>	C.	Arfon H. Jones et al., A Review of the Physical and Mechanical Properties of Coal with Implications for Coal-Bed Methane Well Completion and Production, Rocky Mountain Association of Geologists, pages 169-181			1988
<input checked="" type="checkbox"/>	D.	Howard L. Hartman, et al.; "SME Mining Engineering Handbook," Society for Mining, Metallurgy, and Exploration, Inc.; pp. 1946-1950, 2nd Edition, Volume 2.			1992
<input checked="" type="checkbox"/>	E.	Dave Hassan, Mike Chernichen, Earl Jensen, and Morley Frank; "Multi-lateral technique lowers drilling costs, provides environmental benefits", Drilling Technology, pp. 41-47.			10/1999
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<input checked="" type="checkbox"/>	G.	Weiguo Chi and Luwu Yang, "Feasibility of Coalbed Methane Exploitation in China," Horizontal Well Technology, page 74			09/2001
<input checked="" type="checkbox"/>	H.	Nackerud Product Description, Harvest Tool Company, LLC, 1 page.			Received 09/27/2001
<input checked="" type="checkbox"/>	I.	Gopal Ramaswamy, "Advanced Key for Coalbed Methane," The American Oil & Gas Reporter, Pages 71 & 73			10/2001
<input checked="" type="checkbox"/>	J.	Joseph C. Stevens, Horizontal Applications For Coal Bed Methane Recovery, Strategic Research Institute, pages 1-10 (slides)			03/25/2002
<input checked="" type="checkbox"/>	K.	R.J. "Bob" Stayton, "Horizontal Wells Boost CBM Recovery", Special Report: Horizontal & Directional Drilling, The American Oil & Gas Reporter, pp. 71-75			08/2002
<input checked="" type="checkbox"/>	L.	P. Jackson and S. Kershaw, "Reducing Long Term Methane Emissions Resulting from Coal Mining, Energy Convers. Mgmt, Vol. 37, Nos 6-8, pp. 801-806.			1996
<input checked="" type="checkbox"/>	M.	Susan Eaton, "Reversal of Fortune", New Technology Magazine, pp. 30-31			09/2002
<input checked="" type="checkbox"/>	N.	James Mahony, "A Shadow of Things to Come", New Technology Magazine, pp. 28-29			09/2002
<input checked="" type="checkbox"/>	O.	Documents Received from Third Party, Great Lakes Directional Drilling, Inc., (12 pages)			Received 09/12/02
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AB	A.	Robert W. Taylor and Richard Russell, "Multilateral Technologies Increase Operational Efficiencies in Middle East, Oil & Gas Journal, pp. 76-80				03/16/1998
	B.	Adam Pasiczynk, "Evolution Simplifies Multilateral Wells", Directional Drilling, pp. 53-55				06/2000
	C.	Steven S. Bell, "Multilateral System with Full Re-Entry Access Installed", World Oil, p. 29				06/1996
	D.	Pascal Breant, "Des Puits Branches, Chez Total : les puits multi drains", Total Exploration Production, pp. 1-5				01-1999
	E.	Chi, Weiguo, "A Feasible Discussion on Exploitation Coalbed Methane through Horizontal Network Drilling in China", SPE 64709, Society of Petroleum Engineers (SPE International), 4 pages				11/7/2000
	F.	Chi, Weiguo, "Feasibility of Coalbed Methane Exploitation in China", synopsis of paper SPE 64709, 1 page				11/7/2000
	G.	Ian D. Palmer et al., "Coalbed Methane Well Completions and Stimulations", Chapter 14, pp. 303-339, Hydrocarbons from Coal, Published by the American Association of Petroleum Geologists				1993
	H.	Zupanick, U.S. Patent Application Serial No. 10/264,535, "Method and System for Removing Fluid From a Subterranean Zone Using an Enlarged Cavity"				08/15/2003
	I.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 6, 2003 (8 pages) re International Application No. PCT/US 03/21626				07/11/2003
	J.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 5, 2003 (8 pages) re International Application No. PCT/US 03/21627				07/11/2003
	K.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed November 4, 2003 (7 pages) re International Application No. PCT/US 03/21628				07/11/2003
AB	L.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed December 5, 2003 (8 pages) re International Application No. PCT/US 03/21750				07/11/2003
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		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)			DATE
AB	A.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed December 19, 2003 (8 pages) re International Application No. PCT/US 03/28137			Filed 09/09/2003
	B.	Notification of Transmittal of the International Search Report or the Declaration (PCT Rule 44.1) mailed February 4, 2004 (8 pages) re International Application No. PCT/US 03/26124			Filed 09/09/2003
	C.	Smith, Maurice, "Chasing Unconventional Gas Unconventionally," CBM Gas Technology, New Technology Magazine, October/November 2003, pp. 1-4.			10/2003 11/2003
	D.	Gardes, Robert "A New Direction in Coalbed Methane and Shale Gas Recovery," (to the best of Applicants' recollection, first received at The Canadian Institute Coalbed Methane Symposium conference on June 16 and June 17, 2002), 1 page of conference flyer, 6 pages of document.			06/16/2002 - 06/17/2002
	E.	Gardes, Robert, "Under-Balance Multi-Lateral Drilling for Unconventional Gas Recovery," (to the best of Applicants' recollection, first received at The Unconventional Gas Revolution conference on December 9, 2003), 4 pages of conference flyer, 33 pages of document.			12/09/2003
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	G.	Mark Mazzella and David Strickland, "Well Control Operations on a Multiwell Platform Blowout," WorldOil.com - Online Magazine Article, Volume 22, Part I - pp. 1-7, and Part II - pp. 1-13.			01/2002
	H.	Vector Magnetics LLC, Case History, California, May 1999, "Successful Kill of a Surface Blowout," pp. 1-12.			05/1999
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	J.	R. Purl, et al., "Damage to Coal Permeability During Hydraulic Fracturing," pp. 109-115 (SPE 21813)			1991
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8/15	A.	Zupanick, U.S. Patent Application, entitled "Method and System for Underground Treatment of Materials," SN 10/142,817			05/08/2002
	B.	Zupanick, U.S. Patent Application, entitled "Multi-Well Structure for Accessing Subterranean Deposits," SN 09/788,897			02/20/2001
	C.	Zupanick, U.S. Patent Application, entitled "Slant Entry Well System and Method," SN 10/004,316			10/30/2001
	D.	Zupanick, U.S. Patent Application, entitled "Undulating Well Bore", SN 10/194,366			07/12/2002
	E.	Zupanick, U.S. Patent Application, entitled "Accelerated Production of Gas from a Subterranean Surface", SN 10/246,052			09/17/2002
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	G.	Zupanick, U.S. Patent Application, entitled "System and Method for Subterranean Access", SN 10/227,057			08/22/2002
	H.	Zupanick, U.S. Patent Application, entitled "Method and System for Controlling Pressure in a Dual Well System", SN 10/244,082			09/12/2002
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28	A.	Zupanick, U.S. Patent Application, entitled "Method and System for Controlling the Production Rate ...," SN 10/328,408			12/23/2002
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	F.	Rial, U.S. Patent Application, entitled "Method and System for Recirculating Fluid in a Well System," SN 10/457,103			06/05/2003
	G.	Zupanick, U.S. Patent Application, entitled "Wellbore Sealing System and Method," SN 10/406,037 Published			07/12/2002
48	H.	Zupanick, U.S. Patent Application, entitled "Method and System for Accessing Subterranean Deposits from the Surface," SN 10/641,856			08/15/2003
	I.				
	J.				
	K.				
	L.				
	M.				
	N.				
	O.				
	P.				
EXAMINER <i>A. Shu Fan</i>			DATE CONSIDERED <i>9/29/05</i>		
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